

**SECURE TRANSACTION CARD WITH A LARGE STORAGE  
VOLUME**

**ABSTRACT OF THE DISCLOSURE**

A portable electronic system configured for a secure transaction includes a card having a width, length, and thickness, wherein a ratio of length to thickness is at least 5. The card includes a storage medium to store data and an integrated circuit device ("IC") including security information. The security information stored in the IC is used to authenticate an access request to the storage medium.

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